

REPORT	
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LONG-RANGE TEMPERATURE DATA FOR HUNGARY

In the [appended] chart the abscissa represents the average length of time in hours per year which corresponds to the degrees of temperature represented by the ordinate.

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Because of its small scale, the chart is not suitable for finding exact measurements. For this reason, the coordinates are listed in the following table: this enables the reader to construct a chart on a larger scale showing the average temperature frequencies at Budapest over the last 70 years:

<u>Degrees</u>	<u>Hours</u>	<u>Degrees</u>	<u>Hours</u>
-16	3.43	6	2,943.87
-15	5.48	7	3,229.96
-14	8.91	8	3,530.45
-13	15.42	9	3,807.29
-12	26.38	10	4,086.19
-11	41.46	11	4,347.28
-10	58.25	12	4,609.05
-9	86.00	13	4,890.35
-8	124.03	14	5,156.91
-7	181.25	15	5,461.85
-6	249.09	16	5,776.04
-5	333.38	17	6,129.29
-4	433.08	18	6,499.33
-3	570.48	19	6,861.49
-2	732.54	20	7,226.05
-1	915.86	21	7,557.37
0	1,142.33	22	7,876.02
1	1,415.74	23	8,151.49
2	1,716.57	24	8,376.94
3	2,051.32	25	8,545.51
4	2,364.48	26	8,641.89
5	2,663.26	27-35	8,760.00

As will be seen from the chart, the peak of the temperature frequency curve is located at approximately -15 degrees. Lower temperatures have a negligible frequency.

Temperature Frequencies in Other Cities

Temperature frequency data for six other cities are given in the following table:

Frequency in Hours per Year

<u>Degrees</u>	<u>Magyarovar</u>	<u>Keszthely</u>	<u>Kalocsa</u>	<u>Szeged</u>	<u>Eger</u>	<u>Debrecen</u>
-20	1.46	1.46	0.73	0.73	1.46	2.90
-15	10.20	10.20	10.00	15.00	13.00	23.40
-10	79.00	79.00	73.00	98.00	103.00	150.00
-5	377.00	377.00	345.00	368.00	451.00	518.00
0	1,245.00	1,245.00	1,150.00	1,165.00	1,416.00	1,480.00
5	2,865.00	2,865.00	2,680.00	2,695.00	2,920.00	2,960.00
10	4,290.00	4,290.00	4,110.00	3,920.00	4,270.00	4,250.00
15	5,730.00	5,730.00	5,480.00	5,280.00	5,630.00	5,610.00
20	7,500.00	7,200.00	7,230.00	6,950.00	7,410.00	7,425.00
25	8,640.00	8,520.00	8,550.00	8,410.00	8,580.00	8,590.00
30	8,760.00	8,760.00	8,757.00	8,752.00	8,758.00	8,760.00
35	8,760.00	8,760.00	8,760.00	8,760.00	8,760.00	8,760.00

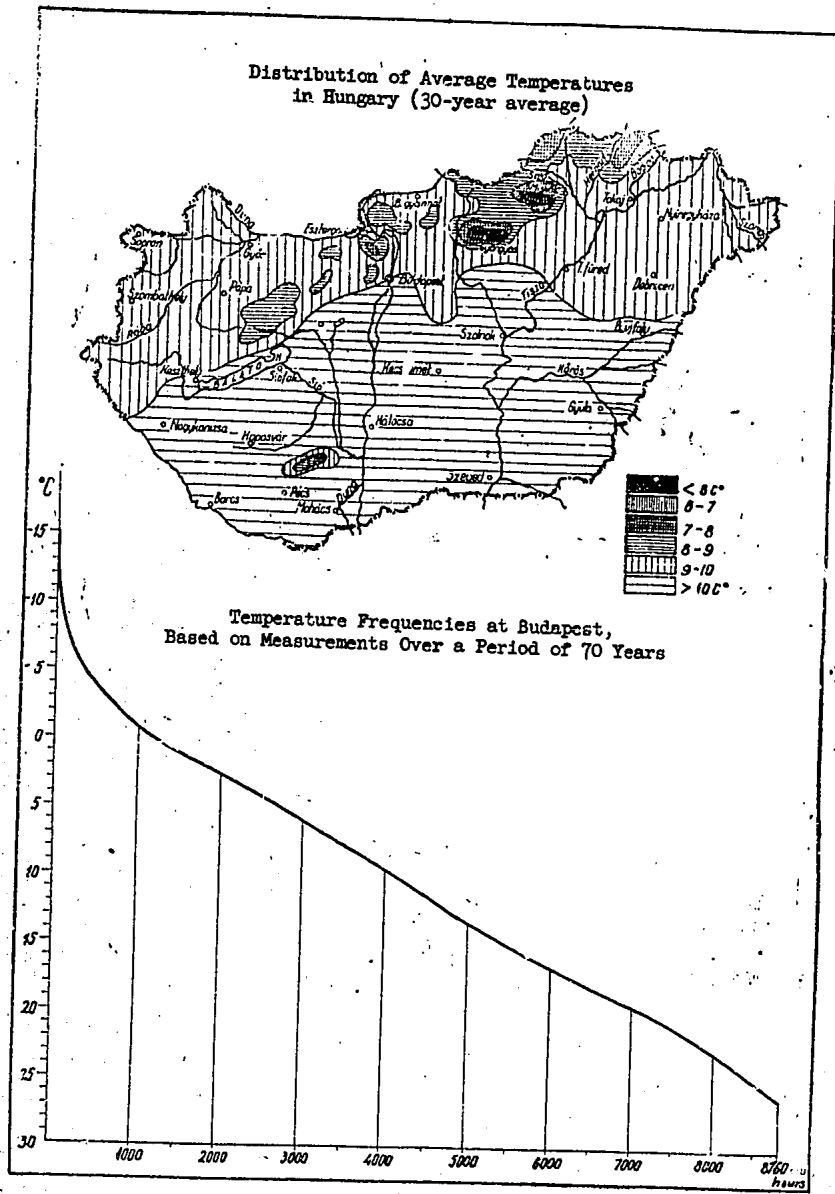
[Appended map and chart follow:]

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